

TECHNICAL DATASHEET

IZOMAX® C 25 KAPILER

About Product

IZOMAX® C 25 KAPILER is a capillary cement-based waterproofing material protecting surfaces and concrete structures from surface water, applied from both positive and negative water pressure sides.

Product code: 204.20012

Application Areas

- In waterproofing foundations and curtain walls,
- In water reservoirs,
- On the basement walls,
- In tunnels,
- In elevator shafts,
- In retaining walls, passages, and ports.

Advantages

- Easy to prepare and apply.
- Can be applied with a brush;
- Fills capillaries with water-insoluble crystals and ensures complete waterproofing;
- Protects concrete and equipment from corrosion.

Technical Specifications

Composition of material	Water-insoluble special additives, mineral aggregates, and cement
Colour	Grey
Application temperature	+5°C +25°C
Mix application time	20 min
Resistance to pressurized water	0.50 bar (positive)
Readiness to exploitation	1 week
Mix density	1.37 kg/L

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The above figures are valid for +20°C and relative humidity of 50%. High temperatures accelerate the process while low temperatures extend it.

Application Guidelines

Surface Preparation

Ensure the treated surface is durable, dry, clean, dust-free, and load-bearing. The surface should be free of oil, rust, grease, and wax residues, and excessive debris weakening adhesion and moistened. Do not apply to areas that are frozen, thawed, or at risk of freezing within 24 hours. Remove residual metal and wood shavings from the surface and repair active water leaks, if any, with TAMCRETE® CRM Rapid instant cure material. Fill 5-20 mm deep voids two days in advance with a suitable TAMCRETE® repair material, shape corners and edges with a radius of at least 4 cm. Before application, moisten the surface to be treated with water without creating puddles. If after applying the 1st layer, the product color fades, and rapid drying is expected, increase the volume of water mixed into the material for the 1st layer by 10%. Apply the prepared product in 2 or 3 layers on a pre-moistened surface. Before applying each next layer, wait for the previous one to dry. Apply each subsequent layer in the opposite direction to the previous one. Do not apply in direct sunlight, strong wind, or rainy weather.

Application

Apply 2 layers to a pre-moistened surface with a brush or spraying gun. Apply the second layer in the opposite direction to the first layer before the latter is completely dry but after it has sufficiently hardened, in 3-5 hours, depending on the temperature. Do not apply in direct sunlight, strong wind, or rainy weather. Prevent rapid drying of the material. Keep it moist for 5-7 days. Effective protection can be provided by wetting and covering the surface with polyethylene. It is not advisable to use a curing liquid. Water reservoirs can be filled with water 24 hours after application since water will accelerate the formation of crystals.

Mixing

Pour water into a clean container, slowly add the IZOMAX® C25 Kapiler material, and mix using a mixer at 400-600 rpm for 3-5 minutes until disaggregation. After about 3-5 minutes, mix again for 1 minute. Then, the product is ready for use. Do not use the hardened mixture by adding water. Try to apply the mixed material within 30 minutes.

Consumption

1st layer	1.50 kg/m ²
2nd layer	1.00 kg/m ²

Mixing Ratio

6 L water per 20 kg material.

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Cleaning Tools

After application clean the used tools and accessories with water. Once the material has hardened, it can only be removed from the surface mechanically or with a solvent.

Storage Conditions

Store unopened in original packaging in a dry and cool place protected from direct sunlight and frost.

Shelf Life

Under proper storage conditions 12 months from the date of manufacture.

Safety Measures

During the application wear work clothes and use protective gloves, glasses, and a mask according to the working conditions and occupational safety requirements. Due to the irritant effect of the uncured material, avoid contact with skin and eyes; in case of contact, immediately wash the contact area with plenty of water and soap; in case of ingestion, seek medical advice immediately. Food products should not be allowed in the material application areas. Store out of reach of children. For more details, please see the Safety Datasheet.

Liability

Our company shall only be liable for the product quality. Our company shall not be liable for any use of the product in breach of written guidelines and/or improper use. For more details, please request a product manual or contact our company's responsible officials.



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